

AMENDMENTS TO THE CLAIMS

For the convenience of the Office, a complete listing of the claims and their current status is set forth below.

In the Claims:

1. (Currently amended) A computer-readable medium comprising:
information **instructions** for decoding encoded array information obtained from an array comprising one or more array information features **after hybridizing an array comprising said array information features to a sample**, wherein said computer readable medium is selected from the group consisting of a data storage means, a memory access means, hard disk drive, an integrated circuit, a floppy disk, magnetic tape, a ROM, a CD-ROM, a hard-drive ROM, a DVD, a magneto-optical disk, a computer readable card, and a RAM,

wherein said instructions names an executable program for decoding array information and comprises instruction to display said information on a monitor to a user.

2. (Original) The computer readable medium of claim 1, wherein said array is an array of nucleic acids.

3. (Previously Presented) The computer-readable medium of claim 1, wherein said information for decoding encoded array information comprises a table that contains:

a list of feature identifiers; and

a list of probe identifiers corresponding to said feature identifiers.

4. (Original) The computer-readable medium of claim 3, wherein said table indicates that certain features of said array are array information features.

5. (Original) The computer readable medium of claim 3, wherein said table indicates which features correspond to which bit of a code.

6. (Canceled).
7. (Previously Presented) The computer-readable medium of claim 1, wherein said information for decoding encoded array information is a file that has a unique identifier that corresponds to a unique identifier of an array.
8. (Previously Presented) The computer-readable medium of claim 7, wherein said array information features encode binary coded information, and said file contains information for decoding said binary coded information.
9. (Previously Presented) The computer-readable medium of claim 8, wherein said binary coded information is encoded using a binary coded decimal (BCD) or binary ASCII code.
10. (Original) The computer-readable medium of claim 1, wherein said decoded array information indicates a particular array of a multi-array substrate.
11. (Withdrawn) A method for obtaining information about an array, comprising:
 - reading an array comprising one or more array information features to provide encoded information for said array; and
 - decoding said encoded information using a computer readable medium of claim 1 to provide information about said array.
12. (Withdrawn) The method of claim 11, wherein said information about said array indicates identifies said array as particular array of a multi-array substrate.
13. (Withdrawn) The method of claim 11, wherein said array is a nucleic acid array.
14. (Withdrawn) The method of claim 11, wherein said scanning provides a data file comprising feature identifiers and numerical assessments of the brightness of said array information features.

15. (Withdrawn) The method of claim 11, wherein said decoding comprises identifying an executable program using said file, and executing said program, to decode said encoded information and provide information about said array.
16. (Withdrawn) The method of claim 15, wherein said executable program is obtained from a remote location.
17. (Withdrawn) A method for obtaining information about an array, comprising: encoding information on an array using one or more array information features; and providing information for decoding said encoded information.
18. (Withdrawn) The method of claim 17, wherein said array is shipped in the absence of said information.
19. (Withdrawn) The method of claim 17, wherein said array information is provided from a location remote to said array.
20. (Withdrawn) A method of assaying a sample, said method comprising:
 - (a) contacting said sample with an array comprising one or more array information features,
 - (b) reading said array with an array scanner to obtain data, and
 - (c) decoding said data using a computer readable medium of claim 1 to provide information for said array.
21. (Withdrawn) The method of claim 20, wherein said information for said array indicates that the data was derived from a particular array of a multi-array substrate.
22. (Withdrawn) The method according to claim 20, wherein said array is a nucleic acid array.

23. (Withdrawn) A method comprising transmitting a result obtained from a method of claim 20 from a first location to a second location.
24. (Withdrawn) The method of claim 23, where said second location is a remote location.
25. (Withdrawn) A method comprising receiving data representing said data obtained by the method of claim 20.
26. (Previously Presented) A kit for use with an array scanner, said kit comprising:
- (a) a computer-readable medium according to claim 1; and
 - (b) instructions for operating said scanner according to said computer-readable medium.
27. (Original) The kit of claim 26, further comprising an array.
28. (Withdrawn) A kit for use with an array scanner, said kit comprising:
- (a) an array comprising array information features; and
 - (b) instructions for obtaining information for decoding encoded array information encoded by said array information features.
29. (New) The computer-readable medium of claim 1, wherein said information about the array is a unique identifier.